

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **10276987 A**

(43) Date of publication of application: **20 . 10 . 98**

(51) Int. Cl.

A61B 3/113
G06F 3/033

(21) Application number: **09085101**

(71) Applicant: **SONY CORP**

(22) Date of filing: **03 . 04 . 97**

(72) Inventor: **YOSHIMATSU HIROSHI**

(54) VISUAL LINE POSITION DETECTING SYSTEM

(57) Abstract:

PROBLEM TO BE SOLVED: To enable to quickly and accurately detect an eye line position in three dimensions by reducing noise components.

SOLUTION: Smoothing processing by wavelet analysis is applied on eye ball motion data measured at a sensor part 11 in time series, and a three dimensional position is detected based on the smoothing processed eye ball motion data. By smoothing processing eye ball motion data applying the wavelet analysis, accurate detection of a visual line with reduced noise components is enabled.

COPYRIGHT: (C)1998,JPO

